

This listing of claims will replace all prior version, and listings, of claims in the application:

Claims 1-5 (Canceled).

measuring a voltage of the battery;

predefining an upper voltage threshold value and a lower voltage threshold

determining the weighting factor according to the following correlation:

if a measured battery voltage value is one of less than the lower voltage

7. (Original) The method according to claim 6, further comprising forming a difference within the framework of the integration procedure in which half of a sum of the upper and lower voltage threshold values is subtracted from the measured battery voltage.

$$L(t) = \int_{t_0}^t D(\tau) \bullet a[U(\tau)] d\tau$$
$$D(\tau) = U(\tau) - \frac{U_1 + U_2}{2}$$

Claims 9-11 (Canceled).

a battery voltmeter; and

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[illegible]

[illegible][illegible]

[illegible]

[illegible]